BRUHAT BANGALORE MAHANAGAR PALIKE

Project Division, Yelahanka Zone

DRAFT TENDER SCHEDULE - B

Issued to

Tender Name Construction of Additional Class rooms, toilet and Auditorium and Providing office accessories to Yelahanka Government Degree college Yelahanka Bangalore in ward No.01

SNo	Est Qty	Item Name	Unit	Approved Rates	Rates quoted by the Contractor	
					Rate in figures	Rate in words
1	45.14	ADDITIONAL CLASS ROOMS AND STAIRCASE EASTERN SIDE - Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work B. In cement mortar.	Cum	245.92		
2	6.85	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry,cement concrete, wood work, steel work, including T&P and scaffoldingwherever necessary, sorting the dismantled material, disposal ofunserviceable material and stacking the serviceable material with all liftscomplete as per specifications Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20.	Cum	375.24		
3	6.85	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry,cement concrete, wood work, steel work, including T&P and scaffoldingwherever necessary, sorting the dismantled material, disposal ofunserviceable material and stacking the serviceable material with all liftscomplete as per specifications.Prestressed / Reinforced cement concrete grade M-20 & above.	Cum	1022.90		
4	45.66	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms).	Sqm	54.06		

SNo	Est Qty	Item Name	Unit	Approved Rates	Rates quoted by the Contr	
					Rate in figures	Rate in wor
5	6.23	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding whereverneccessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications.Rubble stone masonry in cement mortar.	Cum	245.92		
6	43.64	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables)and removing the excavated stuff to a distance not exceeding 50mand lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.	Cum	156.88		
7	33.22	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specification	Cum	283.02		
8	3.57	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregate @ 0.892cum and fine aggregates @ 0.465cum machine mixed, machinemixed, concrete laid in layers not exceeding 15 cms, thick well compacted in foundation and plinth, cost of all materials, labour HOM of machinery, curing complete as per specifications.	Cum	5139.94		
9	3.73	Providing and constructing granite / trap / basalt Size Stone Masonry in cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of maerials, labour, curing Complete as per specifications.	Cum	4058.74		
10	13.29	Filling available excavated earth (excluding rock) insides of foundations upto plinth in layers not exceeding 20cms. In depth, compacting each deposited layer by ramming after watering with a lead upto 50m. And lift upto 1.5m including cost of all labour complete as per specifications.	Cum	127.20		
11	19.93	Transportation of excavated earth by mechanical means including loading and unloading with a lead of 20 kmtr and dispersing the same as directed.	Cum	114.20		

SNo	Est Qty	Item Name	Unit	Approved Rates	Rates quoted by the Contractor	
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12	21.60	Providing and removing Centering, shuttering, strutting, propping etc.,and removal of from work for foundations,footings,bases of columns for mass concrete incxluding cost of all materials, labour complete as per specification	Sqm	239.56		
13	8.83	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.	Cum	6438.44		
14	9.74	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Ground Floor	Cum	6438.44		
15	7.38	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. First Floor	Cum	6491.44		

SNo	Est Qty	Item Name	Unit	Approved Rates	Rates quoted by the Contractor	
					Rate in figures	Rate in words
16	7.38	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Second Floor	Cum	6544.44		
17	45.10	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregares of ready mixed concrete for RCC works laid in 15 cms thick layers and well compated including vibrating, curing,etc., with all lead and lifts etc complete(excluisive of cost of steel and fabrication charges) Ready Mixed Cement Concrete for Beams, Staircase and Roof with M-25	Cum	6410.88		
18	3.24	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.5175cum and fine aggregtes @ 0.345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Ground Floor	Sqm	461.10		
19	3.24	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs; with 12mm and down size graded granite metal coarse aggregates @0.5175cum and fine aggregtes @ 0.345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. First Floor	Sqm	466.40		

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SNo	Est Qty	Item Name	Unit	Approved Rates	Rates quoted by the Contractor	
					Rate in figures	Rate in words
20	3.24	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.5175cum and fine aggregtes @ 0.345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Second Floor	Sqm	471.70		
21	243.00	Providing and laying in Mat for RCC roof at below the steel for avoiding concrete cement slurry as per the requirement of Engineer incharge.	Sqm	65.00		
22	34.32	Providing and removing Centering, shuttering, strutting, propping etc.,and removal of from work for vertical surface such as walls at any thickness including attched plasters, butresses, plinth cills and string courses cost of all materials, labour complete as per specification	Sqm	301.04		
23	34.20	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge. Ground Floor	Sqm	376.30		
24	26.10	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge. First Floor	Sqm	381.60		
25	26.10	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge. Second Floor	Sqm	386.90		
26	62.33	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs landings balconies and likes thickness upto 200 mm including cost of all materials labour complete as per specifications upto 3.5M from Ground level. Ground Floor	Sqm	323.30		
27	62.33	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs landings balconies and likes thickness upto 200 mm including cost of all materials labour complete as per specifications upto 3.5M from Ground level. First Floor	Sqm	328.60		

SNo	Est Qty	Item Name	Unit	Approved Rates	Rates quoted by the Contractor	
					Rate in figure	Rate in words
28	62.33	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs landings balconies and likes thickness upto 200 mm including cost of all materials labour complete as per specifications upto 3.5M from Ground level. Second Floor	Sqm	333.90		
29	50.06	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintles exceeding 1 m in depth incluidng cost of all materials, labour complete as per specifications.Ground Floor	Sqm	265.00		
30	50.06	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintles exceeding 1 m in depth incluidng cost of all materials, labour complete as per specifications.First Floor	Sqm	270.30		
31	50.06	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintles exceeding 1 m in depth incluidng cost of all materials, labour complete as per specifications.Second Floor	Sqm	275.60		
32	3.24	Providing and removing centering, shuttering, strutting,propping etc., for chajjas,corbalsetc., including edges incluidng cost of all materials, labour complete as per specifications.Ground Floor	Sqm	278.78		
33	3.24	Providing and removing centering, shuttering, strutting,propping etc., for chajjas,corbalsetc., including edges incluidng cost of all materials, labour complete as per specifications.First Floor	Sqm	284.08		
34	3.24	Providing and removing centering, shuttering, strutting,propping etc., for chajjas,corbalsetc., including edges incluidng cost of all materials, labour complete as per specifications.Second Floor	Sqm	289.38		
35	25.17	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton.Ground Floor	Sqm	493.96		
36	25.17	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton.First Floor	Sqm	499.26		
37	25.17	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton.Second Floor	Sqm	504.56		

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SNo	Est Qty	Item Name	Unit	Approved Rates	Rates quoted by Contractor	
					Rate in figures	Rate
38	3.76	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.TMT Bars Fe 500. Ground Floor	MT	58229.24		
39	2.35	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.TMT Bars Fe 500.First Floor	MT	58700.95		
40	2.19	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.TMT Bars Fe 500.Second Floor	MT	59172.65		
41	61.53	Providing and constructing precast concrete Solid Blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quion, jamb, closer blocks) with Solid Concrete Blocks of size (40x20x20) cms confirming to I.S 2185/1965 in Superstructure including cost of all materials, labour charges, scaffolding, curing complete as per specifications. Ground Floor	Sqm	999.58		
42	61.53	Providing and constructing precast concrete Solid Blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quion, jamb, closer blocks) with Solid Concrete Blocks of size (40x20x20) cms confirming to I.S 2185/1965 in Superstructure including cost of all materials, labour charges, scaffolding, curing complete as per specifications. First Floor	Sqm	1031.38		
43	61.53	Providing and constructing precast concrete Solid Blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quion, jamb, closer blocks) with Solid Concrete Blocks of size (40x20x20) cms confirming to I.S 2185/1965 in Superstructure including cost of all materials, labour charges, scaffolding, curing complete as per specifications. Second Floor	Sqm	1063.18		

SNo	Est Qty	Item Name	Unit	Approved Rates	Rates quoted by the Contractor	
					Rate in figures	Rate in words
44	148.50	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering,, Providing and removing scaffolding, including cost of materials, labour, lead, lift, curing complete as per specifications and direction of the Engineer in charge Providing Lime rendering for Plastering to Ceiling including cost of materials, labour, curing complete as per specification.	Sqm	219.42		
45	75.92	Flooring with 20mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed withcement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Ground Floor	Sqm	1216.88		
46	75.92	Flooring with 20mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed withcement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. First Floor	Sqm	1218.47		
47	75.92	Flooring with 20mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed withcement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Second Floor	Sqm	1220.06		
48	3.00	Fixing of door frames in an exisying opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications.	Sqm	1073.78		
49	0.21	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications	Cum	108792.04		

SNo	Est Qty	Item Name	Unit	Approved Rates	Rates quoted by the Contractor	
					Rate in figures	Rate in words
50	1.90	Providing and fixing in position fully panelled Honne Wood shutters for doors, styles and rails of 40mm thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries Complete as per Specifications. Ground Floor	Sqm	4795.44		
51	1.90	Providing and fixing in position fully panelled Honne Wood shutters for doors, styles and rails of 40mm thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries Complete as per Specifications. First Floor	Sqm	4798.62		
52	1.90	Providing and fixing in position fully panelled Honne Wood shutters for doors, styles and rails of 40mm thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries Complete as per Specifications. Second Floor	Sqm	4801.80		
53	84.86	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing lime rendering for plastering to wall and ceiling and Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications, direction of the Engineer in charge.for Inside.Ground Floor	Sqm	248.04		
54	84.86	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing lime rendering for plastering to wall and ceiling and Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications, direction of the Engineer in charge.for Inside.First Floor	Sqm	253.34		
55	84.86	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing lime rendering for plastering to wall and ceiling and Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications, direction of the Engineer in charge.for Inside.Second Floor	Sqm	258.64		
56	83.88	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.for Outside Plastering. Ground Floor	Sqm	222.60		

SNo	Est Qty	Item Name	Unit	Approved Rates	Rates quoted by the Contractor	
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57	83.88	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.for Outside Plastering. First Floor	Sqm	233.20		
58	83.88	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.for Outside Plastering. Second Floor	Sqm	243.80		
59	403.07	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers including cost of all materials cost oif labour and scaffolding etc complete as per the specifications	Sqm	57.24		
60	254.57	Providing and applying painting in two coats with plastic Emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and as per the directions of the Engineer in charge. (with Primer)	Sqm	90.10		
61	148.50	Providing and applying painting in two coats with plastic Emulsion paint of approved brand on ceiling surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and as per the directions of the Engineer in charge. (with Primer)	Sqm	94.34		
62	251.64	Providing ACE paint to external walls of approved colour and shade over prime's coat.after brooming & cleaning the surface and applying two coats of ACE paint with cost of all material,labour,lead lift with loading unloading etc.complete as per direction of Engineer in charge of work	Sqm	180.00		
63	17.01	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood basedsurface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications.	Sqm	85.86		

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64	57.00	Flooring with 20mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Ground Floor	Sqm	1216.88		
65	57.00	Flooring with 20mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. First Floor	Sqm	1218.47		
66	57.00	Flooring with 20mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Second Floor	Sqm	1220.06		
67	170.10	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Ground Floor	Kgs	90.10		
68	170.10	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.First Floor	Kgs	95.40		
69	170.10	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Second Floor	Kgs	100.70		

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					Rate in figures	Rate in words
70	54.68	Providing and applying enamel metal paint two coats(excluding priming coat) over new steel or other metal surfacebrushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.	Sqm	83.74		
71	8.10	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using threetrack window frame of size 92x31.75mm bottom section 1.3mm thick,weight 1.07kg/m; sides and top sections 1.3 mm, thick, . weight 0.933kg/m.shutter frame section comprising top and bottom section of size40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter sideouter 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutterinterlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved qualityof fixtures such as aluminium handles tower bolts etc.; providing andfixing 5.5mm. thick plain glass for shutters fitted with rubber beading allaluminium sections including cutting to required length, joints mitredsubdividing the frame tenonned and rivetted, in the assembled frame,stiffened with end clips for corners, angles etc., and fixed to the walls,lintels, floor beams/cills as the case may be, with necessary steelscrews, raul plugs or teak wood gatties including cutting masonry orconcrete and making good the original surface using	Sqm	4356.60		
72	8.10	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using threetrack window frame of size 92x31.75mm bottom section 1.3mm thick,weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933kg/m.shutter frame section comprising top and bottom section of size40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter sideouter 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutterinterlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved qualityof fixtures such as aluminium handles tower bolts etc.; providing andfixing 5.5mm. thick plain glass for shutters fitted with rubber beading allaluminium sections including cutting to required length, joints mitredsubdividing the frame tenonned and rivetted, in the assembled frame,stiffened with end clips for corners, angles etc., and fixed to the walls,lintels, floor beams/cills as the case may be, with necessary steelscrews, raul plugs or teak wood gatties including cutting masonry orconcrete and making good the original surface using	Sqm	4361.90		

SNo	Est Qty	Item Name	Unit	Approved Rates	Rates quoted by the Contractor	
					Rate in figures	Rate in words
73	8.10	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using threetrack window frame of size 92x31.75mm bottom section 1.3mm thick,weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933kg/m.shutter frame section comprising top and bottom section of size40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter sideouter 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutterinterlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved qualityof fixtures such as aluminium handles tower bolts etc.; providing andfixing 5.5mm. thick plain glass for shutters fitted with rubber beading allaluminium sections including cutting to required length, joints mitredsubdividing the frame tenonned and rivetted, in the assembled frame,stiffened with end clips for corners, angles etc., and fixed to the walls,lintels, floor beams/cills as the case may be, with necessary steelscrews, raul plugs or teak wood gatties including cutting masonry orconcrete and making good the original surface using	Sqm	4367.20		
74	3.00	Fixtures Providing and fixing of Door locking arrangements	Each	633.00		
75	6.00	Providing and fixing of Handles powder coated 150mm	Each	56.00		
76	15.00	Providing and fixing of Hinges 5" heavy duty	Each	37.00		
77	3.00	Providing and fixing of Hold fasts MS	Each	38.00		
78	6.00	Providing and fixing of Tower bolt 300mm long	Each	116.00		
79	34.27	SECOND FLOOR - Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work B. In cement mortar.	Cum	245.92		

SNo	Est Qty	Item Name	Unit	Approved Rates	Rates quoted by the Contractor	
					Rate in figures	Rate in words
80	2.73	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20.	Cum	375.24		
81	54.21	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works inground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.	Cum	6544.44		
82	217.58	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregares of ready mixed concrete for RCC works laid in 15 cms thick layers and well compated including vibrating, curing,etc., with all lead and lifts etc complete(excluisive of cost of steel and fabrication charges) Ready Mixed Cement Concrete for Beams, Staircase and Roof with M-25	Cum	6410.88		
83	973.25	Providing and laying in Mat for RCC roof at below the steel for avoiding concrete cement slurry as per the requirement of Engineer incharge.	Sqm	65.00		
84	21.06	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.5175cum and fine aggregtes @ 0.345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.	Sqm	461.10		
85	468.00	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.	Sqm	386.90		

Signature of the Contractor

Executive Engineer (P

SNo	Est Qty	Item Name	Unit	Approved Rates	Rates quoted by the Contractor	
					Rate in figures	Rate in words
86	838.19	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs landings balconies and likes thickness upto 200 mm including cost of all materials labour complete as per specifications upto 3.5M from Ground level	Sqm	333.90		
87	716.36	Providing & removing centering shuttering,strutting, propping etc., and removal of form work for sides & soffits of beams, beam haunchings, cantilever girders, bresumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	275.60		
88	21.06	Providing and removing centering, shuttering, strutting,propping etc., for chajjas,corbalsetc., including edges incluidng cost of all materials, labour complete as per specifications. Second Floor	Sqm	289.38		
89	34.74	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton.	Sqm	504.56		
90	32.58	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.TMT Bars Fe 500	MT	59172.65		
91	1064.33	Providing and constructing precast concrete Solid Blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quion, jamb, closer blocks) with Solid Concrete Blocks of size (40x20x20) cms confirming to I.S 2185/1965 in Superstructure including cost of all materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	1063.18		
92	832.28	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering,, Providing and removing scaffolding, including cost of materials, labour, lead, lift, curing complete as per specifications and direction of the Engineer in charge Providing Lime rendering for Plastering to Ceiling including cost of materials, labour, curing complete as per specification.	Sqm	230.02		

SNo	Est Qty	Item Name	Unit	Approved Rates	Rates quoted by the Contractor	
					Rate in figures	Rate in words
93	1224.59	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing lime rendering for plastering to wall and ceiling and Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications, direction of the Engineer in charge.for Inside Plastering	Sqm	258.64		
94	832.53	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.for Outside Plastering	Sqm	243.80		
95	1044.73	Flooring with 20mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed withcement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications	Sqm	1220.06		
96	2083.83	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.	Kgs	100.70		
97	99.23	Providing and applying enamel metal paint two coats(excluding priming coat) over new steel or other metal surfacebrushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.	Sqm	83.74		